



Subject card

Subject name and code	, PG_00058979						
Field of study	Environmental Engineering						
Date of commencement of studies	October 2022	Academic year of realisation of subject			2022/2023		
Education level	first-cycle studies	Subject group			Obligatory subject group in the field of study		
Mode of study	Part-time studies	Mode of delivery			at the university		
Year of study	1	Language of instruction			Polish		
Semester of study	1	ECTS credits			4.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Faculty of Civil and Environmental Engineering						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Wojciech Migda					
	Teachers	dr inż. Wojciech Migda dr inż. Natalia Lasowicz					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	12.0	10.0	0.0	5.0	0.0	27
E-learning hours included: 0.0							
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan	Participation in consultation hours		Self-study	SUM	
	Number of study hours	27	4.0		70.0	101	
Subject objectives	The aim of this course is to present the technical drawing basics as used in civil and structural engineering.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_W15] knows the rules of descriptive geometry and technical drawing regarding the recording and reading of architectural drawings, construction and surveying drawings, as well as their preparation with the use of CAD	Basic knowledge in the field of technical drawings and CAD software.			[SW1] Assessment of factual knowledge		
	[K6_U07] can read architectural, construction and geodesy drawings, and can use the known computer programs to prepare a drawing part of technical documentation for the sanitary industry	Basic abilities to read and create technical drawings.			[SU1] Assessment of task fulfilment [SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools		

Subject contents	Technical writing Drawing formats Scales Line types Isometric views Floor-plans and cross-sections Dimensioning Symbols used in architectural and structural drawings											
Prerequisites and co-requisites												
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="456 792 794 815">Subject passing criteria</th> <th data-bbox="799 792 1137 815">Passing threshold</th> <th data-bbox="1142 792 1481 815">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="456 822 794 844">Project</td> <td data-bbox="799 822 1137 844">60.0%</td> <td data-bbox="1142 822 1481 844">50.0%</td> </tr> <tr> <td data-bbox="456 851 794 873">Test</td> <td data-bbox="799 851 1137 873">60.0%</td> <td data-bbox="1142 851 1481 873">50.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	Project	60.0%	50.0%	Test	60.0%	50.0%
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Project	60.0%	50.0%										
Test	60.0%	50.0%										
Recommended reading	Basic literature	Maj T.: Rysunek techniczny budowlany. WSiP, Warszawa 2013										
	Supplementary literature	Miśniakiewicz E., Skowroński W.: Rysunek techniczny budowlany. Arkady, Warszawa 2008										
	eResources addresses	Adresy na platformie eNauczanie:										
Example issues/ example questions/ tasks being completed												
Work placement	Not applicable											